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RAW SEQUENCE LISTING

DATE: 05/07/2002

PATENT APPLICATION: US/09/975,607A

TIME: 13:18:56

Input Set : A:\57114b

Output Set: N:\CRF3\05072002\I975607A.raw

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6 <110> APPLICANT: Cheah, Kathryn
7 Cheung, Kenneth
10 <120> TITLE OF INVENTION: USE OF TRANSGENIC MOUSE CONTAINING A TYPE X COLLAGEN MUTANT
13 <130> FILE REFERENCE: 0467/57114-B
16 <140> CURRENT APPLICATION NUMBER: 09/975,607A
18 <141> CURRENT FILING DATE: 2001-10-11
21 <160> NUMBER OF SEQ ID NOS: 5
24 <170> SOFTWARE: PatentIn version 3.1
27 <210> SEQ ID NO: 1
29 <211> LENGTH: 486
31 <212> TYPE: DNA
33 <213> ORGANISM: Mouse
36 <400> SEQUENCE: 1

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39 gtcagtgtta accacggggt aacagggtat cccgtgtctg cttttactgt cattctctct	120
41 aaagcttacc cagcagtagg tgcccccatc ccatttgatg agattctgta caataggcag	180
43 cagcattacg acccaagatc tggatatctt acctgtaaga tcccaggcat atactatttc	240
45 tctaccacg tgcattgtga agggactcac gtttgggtag gcctgtataa gaacggcacg	300
47 cctacgatgt acacgtatga tgagtacagc aaaggctacc tggatcaggc ttcaggaggt	360
49 gcaatcatgg agctcacaga aaatgaccag gtatggctcc aattgcccga tgcagaatca	420
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53 atgtga	486

56 <210> SEQ ID NO: 2
58 <211> LENGTH: 459
60 <212> TYPE: DNA
62 <213> ORGANISM: Mouse
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68 gtcagtgtta accacggggt aacagggtat cccgtgtctg cttttactgt cattctctct	120
70 aaagcttacc cagcagtagg tgcccccatc ccatttgatg agattctgta caataggcag	180
72 cagcattacg acccaagatc tggatatctt acctgtaaga tcccaggcat atactatttc	240
74 tctaccacg tgcattgtga agggactcac gtttgggtag gcctgtataa gaacggcaca	300
76 cgtatgatga gtacagcaaa ggctacctgg atcaggcttc agggagtga atcatggagc	360
78 tcacagaaaa tgaccaggtg tggctccaat tgcccaatgc agaatacaac ggcctctact	420
80 cctctgagta cgtccactcg tcttctcag gattcctag	459

83 <210> SEQ ID NO: 3
85 <211> LENGTH: 161
87 <212> TYPE: PRT
89 <213> ORGANISM: Mouse
92 <400> SEQUENCE: 3

94 Val Met Pro Asp Gly Phe Ile Lys Ala Gly Gln Arg Pro Arg Leu Ser	
95 1 5 10 15	
98 Gly Met Pro Leu Val Ser Ala Asn His Gly Val Thr Gly Met Pro Val	

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99          20          25          30
102 Ser Ala Phe Thr Val Ile Leu Ser Lys Ala Tyr Pro Ala Val Gly Ala
103          35          40          45
106 Pro Ile Pro Phe Asp Glu Ile Leu Tyr Asn Arg Gln Gln His Tyr Asp
107          50          55          60
110 Pro Arg Ser Gly Ile Phe Thr Cys Lys Ile Pro Gly Ile Tyr Tyr Phe
111 65          70          75          80
114 Ser Tyr His Val His Val Lys Gly Thr His Val Trp Val Gly Leu Tyr
115          85          90          95
118 Lys Asn Gly Thr Pro Thr Met Tyr Thr Tyr Asp Glu Tyr Ser Lys Gly
119          100          105          110
122 Tyr Leu Asp Gln Ala Ser Gly Ser Ala Ile Met Glu Leu Thr Glu Asn
123          115          120          125
126 Asp Gln Val Trp Leu Gln Leu Pro Asn Ala Glu Ser Asn Gly Leu Tyr
127          130          135          140
130 Ser Ser Glu Tyr Val His Ser Ser Phe Ser Gly Phe Leu Val Ala Pro
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134 Met
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153 Gly Met Pro Leu Val Ser Ala Asn His Gly Val Thr Gly Met Pro Val
154          20          25          30
157 Ser Ala Phe Thr Val Ile Leu Ser Lys Ala Tyr Pro Ala Val Gly Ala
158          35          40          45
161 Pro Ile Pro Phe Asp Glu Ile Leu Tyr Asn Arg Gln Gln His Tyr Asp
162          50          55          60
165 Pro Arg Ser Gly Ile Phe Thr Cys Lys Ile Pro Gly Ile Tyr Tyr Phe
166 65          70          75          80
169 Ser Tyr His Val His Val Lys Gly Thr His Val Trp Val Gly Leu Tyr
170          85          90          95
173 Lys Asn Gly Thr Arg Met Met Ser Thr Ala Lys Ala Thr Trp Ile Arg
174          100          105          110
177 Leu Gln Gly Val Gln Ser Trp Ser Ser Gln Lys Met Thr Arg Tyr Gly
178          115          120          125
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193 <212> TYPE: PRT
195 <213> ORGANISM: Human
198 <400> SEQUENCE: 5
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